

Converting Colors

XYZ(76.1624, 75.8936,
165.6268)

Have a look what the booklet for
XYZ(76.1624, 75.8936, 165.6268)
contains.

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Color

**XYZ(64.5037, 71.1377,
104.9390)**

Conversions

Conversions Part 1

Format	Color
Hex	B7E1FF
RGB	183, 225, 255
RGB Percent	72%, 88%, 100%
CMY	0.2823, 0.1176, 0.0000
CMYK	0.28, 0.12, 0.00, 0.00
HSL	205°, 100%, 86%
HSV	205°, 28%, 100%
XYZ	64.5037, 71.1377, 104.9390
YIQ	215.8620, -34.6620, 0.4260

Conversions

Conversions Part 2

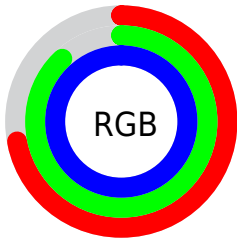
Format	Color
RYB	183, 210, 255
Decimal	12050943
CIELab	87.55, -6.95, -19.02
CIELCh	88, 20.249, 249.919
Yxy	71.1377, 0.2681, 0.2957
Android (android.graphics.Color)	4290241023 (0xFFB7E1FF)
YUV	215.8620, 19.2950, -28.8200
Hunter-Lab	84.3432, -11.0879, -14.7279

Details

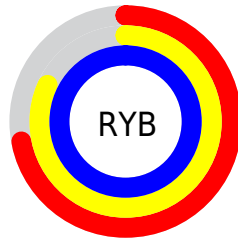
The XYZ color **64.5037, 71.1377, 104.9390** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **73.5817, 72.2672, 54.8725**, and the grayscale version is **65.0678, 68.4564, 74.5490**.

A 20% lighter version of the original color is **89.7452, 97.2653, 108.6517**, and **33.4699, 37.4159, 58.8840** is the 20% darker color. If you saturate the color by 10%, you get **56.1960, 62.7247, 103.7530**, and if you desaturate by 10%, it is **74.0928, 80.4801, 106.2368**.

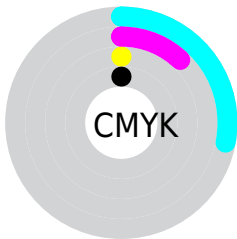
Distribution



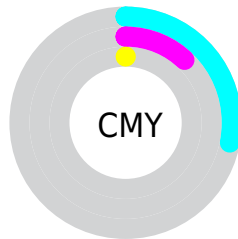
- Red (72%)
- Green (88%)
- Blue (100%)



- Red (72%)
- Yellow (82%)
- Blue (100%)



- Cyan (28%)
- Magenta (12%)
- Yellow (0%)
- Black (0%)



- Cyan (28%)
- Magenta (12%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 64.5037, 71.1377, 104.9390 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.

Similar to the brightness gradients but the following saturation gradients show a change of the XYZ color 64.5037, 71.1377, 104.9390 by changing the saturation by 10% instead.

■ 64.5037, 71.1377,
104.9390

■ 64.5037, 71.1377,
104.9390

430.5798,
464.5347, 597.2955

■ 47.3220, 52.4546,
79.7919

■ 110.4057,
120.8298, 170.0390

■ 33.4993, 37.3675,
59.0219

139.8567,
152.6075, 210.8289

■ 22.6703, 25.4922,
42.2107

174.1282,
189.5189, 257.6701

■ 14.4696, 16.4441,
28.9395

213.5854,
231.9484, 310.9813

■ 8.5319, 9.8390,
18.7899

258.5939,
280.2803, 371.1809

■ 4.4918, 5.2923,
11.3433

309.5188,

■ 1.9839, 2.4198,

334.8990, 438.6874

6.1811

366.7257,
396.1890, 513.9194

■ 0.6249, 0.8360,
2.8850

■ 0.0000, 0.0000,
1.0362

■ 64.5037, 71.1377,
104.9390

■ 64.5037, 71.1377,
104.9390

■ 56.1960, 62.7247,
103.7530

■ 74.0928, 80.4801,
106.2368

■ 49.1012, 55.1957,
102.6737

■ 85.0154, 90.7782,
107.6489

■ 43.1531, 48.5135,
101.6974

95.0500, 100.0000,
108.9000

■ 38.2759, 42.6339,
100.8196

■ 34.3838, 37.5075,
100.0352

■ 31.3759, 33.0768,
99.3385

■ 29.1145, 29.2653,
98.7220

■ 28.7595, 28.6389,
98.6198

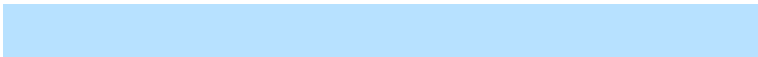
Harmonies

Analogous

The Analogous color harmony consists of three colors that are next to each other on the color wheel.



60.7994, 71.1377, 95.6290



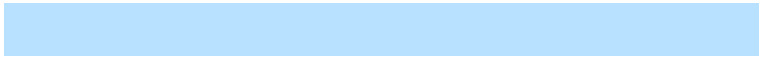
64.5037, 71.1377, 104.9390



69.2118, 71.1377, 106.4252

Triad

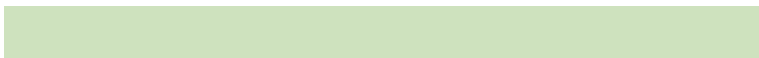
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



64.5037, 71.1377, 104.9390



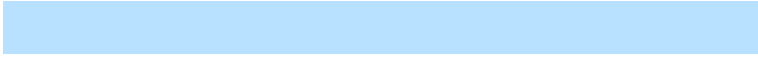
77.0899, 71.1377, 73.0053



61.8795, 71.1377, 58.9517

Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



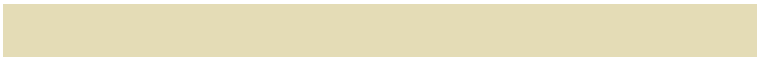
64.5037, 71.1377, 104.9390



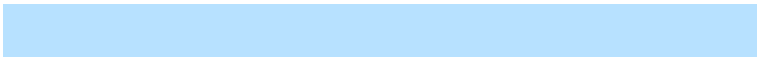
73.5817, 72.2672, 54.8725

Split Complementary

Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



66.0415, 71.1377, 54.2890



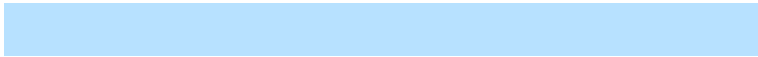
64.5037, 71.1377, 104.9390



74.9202, 71.1377, 61.7463

Square

The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



64.5037, 71.1377, 104.9390



76.6304, 71.1377, 86.8624



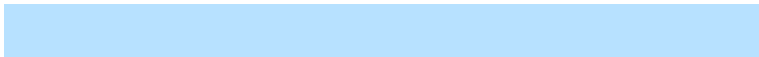
70.8232, 71.1377, 55.2478



59.3346, 71.1377, 68.7561

Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



64.5037, 71.1377, 104.9390



72.3087, 71.1377, 102.6177



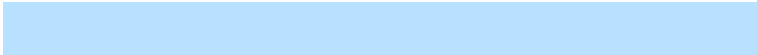
70.8232, 71.1377, 55.2478



63.1275, 71.1377, 56.7868

Sweetspot

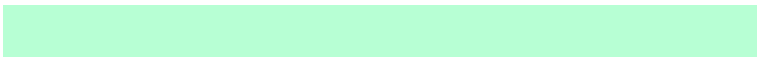
The Sweet Spot groups the original color and five complimentary colors.



64.5057, 71.1404, 104.9394



85.2873, 91.0308, 107.6833



67.1480, 86.3312, 75.2811



17.8835, 19.1386, 23.0015



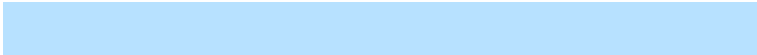
0.0000, 0.0000, 0.0000



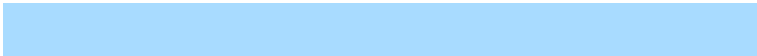
20.3446, 21.4041, 23.3091

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



64.5057, 71.1404, 104.9394



59.5622, 66.1774, 104.2420



56.0368, 54.2027, 102.1165



17.8835, 19.1386, 23.0015



15.1783, 15.2662, 51.5813



1.5858, 1.7023, 5.0583

Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



71.7654, 60.5649, 79.1450



68.0682, 54.4842, 73.8628



83.2937, 91.6912, 58.1098



18.4538, 18.1648, 21.0070



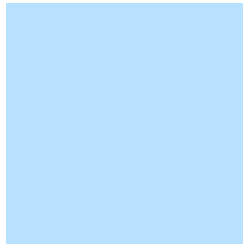
24.4495, 12.2691, 16.2835



2.4350, 1.2164, 1.8724

Previews

White Background



This preview shows how the XYZ color 64.5037, 71.1377, 104.9390 looks on a white background.

Color Contrast Check

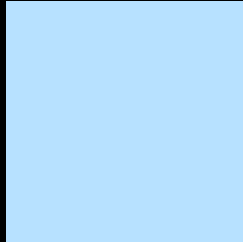
Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the XYZ color 64.5037, 71.1377, 104.9390 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

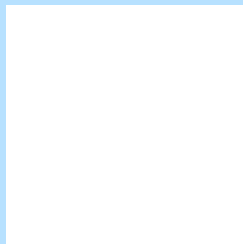
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 64.5037, 71.1377, 104.9390

Background



This preview shows how black text looks on a background with the XYZ color 64.5037, 71.1377, 104.9390.



This preview shows how white text looks on a background with the XYZ color 64.5037, 71.1377,

Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



Original Color

64.5037, 71.1377, 104.9390

Protanopia

69.5087, 70.6740, 100.4204

Deuteranopia

71.9154, 70.6853, 104.4610



Tritanopia

63.0066, 71.3545, 96.8382

Trichromacy



Original Color

64.5037, 71.1377, 104.9390

Protanomaly

67.5210, 70.7712, 102.1969

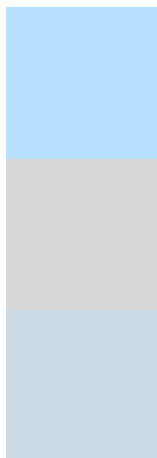
Deuteranomaly

68.8535, 70.6282, 104.6114

Tritanomaly

63.5866, 71.1773, 100.0098

Monochromacy



Original Color

64.5037, 71.1377, 104.9390

Achromatopsia

65.2694, 68.6685, 74.7800

Achromatomaly

64.5163, 69.2136, 84.8221

CSS Examples

Text

The CSS property to change the color of the text to XYZ 64.5037, 71.1377, 104.9390 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(183, 225, 255)` looks like.

```
.text, #text, p{  
    color:rgb(183, 225, 255)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(183, 225, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(183, 225, 255) }
```

Border

The CSS property to change the border of an element to XYZ 64.5037, 71.1377, 104.9390 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(183, 225, 255) }
```


If only the border color should be changed use the property `border-color`.

```
.border{ border-color:rgb(183, 225, 255) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel `rgb(183, 225, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(183, 225, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(183, 225, 255);  
box-shadow:4px 4px 4px 4px rgb(183, 225,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 64.5037, 71.1377, 104.9390 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(183, 225, 255) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(183,  
225, 255) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

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